

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claims 1-13 (canceled).

14. (withdrawn - currently amended): An antibody to the protein according to claim 1, its partial peptide, or a salt thereof specifically binding to:
a protein comprising the amino acid sequence of SEQ ID NO: 1;
a protein in which one to ten amino acids have been deleted from, inserted into, or
substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or
substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1,
582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1; or
a salt thereof.

15. (withdrawn - currently amended): A pharmaceutical comprising the antibody according to claim 14 an antibody specifically binding to:
a protein comprising the amino acid sequence of SEQ ID NO: 1;
a protein in which one to ten amino acids have been deleted from, inserted into, or
substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or

substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1,
582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1; or
a salt thereof.

16. (withdrawn - currently amended): A diagnostic agent comprising ~~the antibody~~
~~according to claim 14 an antibody specifically binding to:~~
a protein comprising the amino acid sequence of SEQ ID NO: 1;
a protein in which one to ten amino acids have been deleted from, inserted into, or
substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or
substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1,
582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1; or
a salt thereof.

17. (withdrawn - currently amended): A polynucleotide comprising the entire or part
of a base sequence complementary or substantially complementary to ~~the polynucleotide~~
~~according to claim 4 a polynucleotide comprising a polynucleotide encoding a protein~~
~~comprising the same or substantially the same amino acid sequence as the amino acid sequence~~
~~represented by SEQ ID NO: 4, SEQ ID NO: 7, or SEQ ID NO: 10, or a salt thereof.~~

18. (withdrawn): A pharmaceutical comprising the polynucleotide according to claim
17.

19. (withdrawn): A method of quantifying the protein according to claim 1, which comprises using the antibody according to claim 14.

20. (withdrawn): A method for diagnosis of a disease associated with the protein according to claim 1 or with its function, which comprises using the quantifying method according to claim 19.

21. (withdrawn - currently amended): A method of screening a compound or its salt that inhibits the expression of the protein according to claim 1 a protein comprising the same or substantially the same amino acid sequence as the amino acid sequence represented by SEQ ID NO: 4, SEQ ID NO: 7, or SEQ ID NO: 10, or a salt thereof, which comprises using the protein according to claim 1, the partial peptide, or a salt thereof.

22. (withdrawn - currently amended): A kit for screening a compound or its salt that inhibits the expression of the protein according to claim 1 a protein comprising the same or substantially the same amino acid sequence as the amino acid sequence represented by SEQ ID NO: 4, SEQ ID NO: 7, or SEQ ID NO: 10, or a salt thereof, comprising the protein according to claim 1, the partial peptide, or a salt thereof.

23. (withdrawn - currently amended): A method of screening a compound or its salt that inhibits the expression of a gene for the protein according to claim 1 a protein comprising the same or substantially the same amino acid sequence as the amino acid sequence represented by SEQ ID NO: 4, SEQ ID NO: 7, or SEQ ID NO: 10, or a salt thereof, which comprises using

~~the polynucleotide according to claim 4 a polynucleotide comprising a polynucleotide encoding a protein comprising the same or substantially the same amino acid sequence as the amino acid sequence represented by SEQ ID NO: 4, SEQ ID NO: 7, or SEQ ID NO: 10, or a salt thereof.~~

24. (withdrawn - currently amended): A kit for screening a compound or its salt that inhibits the expression of a gene for ~~the protein according to claim 4 a protein comprising the same or substantially the same amino acid sequence as the amino acid sequence represented by SEQ ID NO: 4, SEQ ID NO: 7, or SEQ ID NO: 10, or a salt thereof,~~ comprising ~~the polynucleotide according to claim 4 a polynucleotide comprising a polynucleotide encoding a protein comprising the same or substantially the same amino acid sequence as the amino acid sequence represented by SEQ ID NO: 4, SEQ ID NO: 7, or SEQ ID NO: 10, or a salt thereof.~~

25. (withdrawn - currently amended): The pharmaceutical according to claim 11, 12, 15 or 18, which is a prophylactic/therapeutic agent for a cancer.

26. (withdrawn - currently amended): The pharmaceutical according to claim 11, 12, 15 or 18, which is an apoptosis promoter.

27. (withdrawn - currently amended): The diagnostic agent according to claim 13 or 16, which is a diagnostic agent for a cancer.

28. (canceled).

29. (currently amended): An apoptosis promoter comprising an antibody to a protein comprising the same or substantially the same amino acid sequence as the amino acid sequence represented by SEQ ID NO: 1, its partial peptide, or a salt thereof specifically binding to:
a protein comprising the amino acid sequence of SEQ ID NO: 1;
a protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1; or
a salt thereof.

30. (currently amended): A prophylactic/therapeutic agent for a cancer, comprising an antibody to a protein comprising the same or substantially the same amino acid sequence as the amino acid sequence represented by SEQ ID NO: 1, its partial peptide, or a salt thereof specifically binding to:
a protein comprising the amino acid sequence of SEQ ID NO: 1;
a protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1; or
a salt thereof.

Claims 31-42 (canceled).

43. (new): The apoptosis promoter according to claim 29, wherein the protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1 is a protein comprising the amino acid sequence of SEQ ID NO: 4.

44. (new): The prophylactic/therapeutic agent for a cancer according to claim 30, wherein the protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1 is a protein comprising the amino acid sequence of SEQ ID NO: 4.

45. (new): The apoptosis promoter according to claim 29, wherein the protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1 is a protein comprising the amino acid sequence of SEQ ID NO: 7.

46. (new): The prophylactic/therapeutic agent for a cancer according to claim 30, wherein the protein in which one to ten amino acids have been deleted from, inserted into, or

substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1 is the amino acid sequence of SEQ ID NO: 7.

47. (new): The apoptosis promoter according to claim 29, wherein the protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1 is a protein comprising the amino acid sequence of SEQ ID NO: 10.

48. (new): The prophylactic/therapeutic agent for a cancer according to claim 30, wherein the protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1 is a protein comprising the amino acid sequence of SEQ ID NO: 10.

49. (new): The antibody according to claim 14, wherein the protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1,

781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1 is a protein comprising the amino acid sequence of SEQ ID NO: 4.

50. (new): The antibody according to claim 14, wherein the protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1 is a protein comprising the amino acid sequence of SEQ ID NO: 7.

51. (new): The antibody according to claim 14, wherein the protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1 is a protein comprising the amino acid sequence of SEQ ID NO: 10.

52. (new): The pharmaceutical according to claim 15, wherein the protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1 is a protein comprising the amino acid sequence of SEQ ID NO: 4.

53. (new): The pharmaceutical according to claim 15, wherein the protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1 is a protein comprising the amino acid sequence of SEQ ID NO: 7.

54. (new): The pharmaceutical according to claim 15, wherein the protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1 is a protein comprising the amino acid sequence of SEQ ID NO: 10.

55. (new): The diagnostic agent according to claim 16, wherein the protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1 is a protein comprising the amino acid sequence of SEQ ID NO: 4.

56. (new): The diagnostic agent according to claim 16, wherein the protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid

sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1 is a protein comprising the amino acid sequence of SEQ ID NO: 7.

57. (new): The diagnostic agent according to claim 16, wherein the protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1 is a protein comprising the amino acid sequence of SEQ ID NO: 10.

58. (new): The pharmaceutical according to claim 25, wherein the protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1 is a protein comprising the amino acid sequence of SEQ ID NO: 4.

59. (new): The pharmaceutical according to claim 25, wherein the protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1,

781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1 is a protein comprising the amino acid sequence of SEQ ID NO: 7.

60. (new): The pharmaceutical according to claim 25, wherein the protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1 is a protein comprising the amino acid sequence of SEQ ID NO: 10.

61. (new): The pharmaceutical according to claim 26, wherein the protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1 is a protein comprising the amino acid sequence of SEQ ID NO: 4.

62. (new): The pharmaceutical according to claim 26, wherein the protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1 is a protein comprising the amino acid sequence of SEQ ID NO: 7.

63. (new): The pharmaceutical according to claim 26, wherein the protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1 is a protein comprising the amino acid sequence of SEQ ID NO: 10.

64. (new): The diagnostic agent according to claim 27, wherein the protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1 is a protein comprising the amino acid sequence of SEQ ID NO: 4.

65. (new): The diagnostic agent according to claim 27, wherein the protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1 is a protein comprising the amino acid sequence of SEQ ID NO: 7.

66. (new): The diagnostic agent according to claim 27, wherein the protein in which one to ten amino acids have been deleted from, inserted into, or substituted into the amino acid

sequence of SEQ ID NO: 1, wherein said deletion, insertion, or substitution occurs at an amino acid position outside of positions 402 to 412 of SEQ ID NO: 1, 582 to 596 of SEQ ID NO: 1, 781 to 794 of SEQ ID NO: 1, and 797 to 809 of SEQ ID NO: 1 is a protein comprising the amino acid sequence of SEQ ID NO: 10.